Schema för Bioorganisk strukturanalys

KO7001, 15 hp, 2021-01-18 – 2021-06-05, rum A507

v.3	Tis 19/1	09.30-10.00	Kurspresentation rum A507	GW/AF/KD
	Tis 19/1	10.00-12.15	Lecture 1: Basic NMR theory and concepts	GW
	Fre 22/1	09.30-12.15	Lecture 2: NMR chemical shifts and spin-spin coupling constants	GW
v.4	Tis 26/1	09.30-12.15	Lecture 3: NMR experimental methods	GW
	Fre 29/1	09.30-12.15	Lecture 4: NMR relaxation	GW
v.5	Tis 2/2	09.30-12.15	Lecture 5: INEPT and DEPT	GW
v.6	Tis 9/2	09.30-12.15	Lecture 6: Nuclear Overhauser Effect	GW
v.7	Tis 16/2	09.30-12.15	Lecture 7: 2D NMR Homo- and heteronuclear correlations	GW
v.8	Tis 23/2	09.30-12.15	Lecture 8: 2D NMR Homo- and heteronuclear correlations	GW
v.10	Tis 9/3	09.30-12.15	Lecture 9: Carbohydrate conformation	GW
v.11	Tis 16/3	09.30-12.15	Lecture 10: Absolut configuration	GW
v.12	Tis 23/3	09.30-12.15	Lecture 11: CASPER/Mass spectrometry/Databases	GW
v.16	Tis 20/4	09.30-12.15	Lecture 12: 2D NMR Additional experiments	GW
v.16	Fre 23/4	09.30-12.15	Application: Model building	GW
v.17	Tis 27/4	09.30-12.15	Lecture 13: Molecular interaction and recent developments	GW
v.20	Tis 18/5	09.30-12.15	Lecture 14: Summary and Questions	GW
v.21	**Tis 25/5**	09.30-14.30	**Exam** room A507	GW/AF/KD

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Litteratur:

1. T.D.W. Claridge: High-Resolution NMR Techniques in Organic Chemistry, 2nd or 3rd Edition, Pergamon (ISBN-13: 987-0-08-054818-0) eller J. B. Lambert and E. P. Mazzola: Nuclear Magnetic Resonance Spectroscopy: An Introduction to Principles, Applications, and Experimental Methods, Pearson Prentice Hall (ISBN 0130890669)
2. Kompendier, artiklar

*Övningsseminarier och utförande av **laborationer** enligt **separat schema**, som delas ut vid kursstarten. Observera att de 2 laborationsseminarierna är en del av laborationskursen. Sista dag för inlämnande av samtliga laborationsrapporter är tisdagen den 1/6 2021.*